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DERWENT-WEEK: 200323

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TITLE: Method for fabricating LCD panel

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PATENT-FAMILY:

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APPLICATION-DATA:

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INT-CL (IPC): G02F001/136

ABSTRACTED-PUB-NO: KR2002089981A

BASIC-ABSTRACT:

NOVELTY - A method for fabricating a liquid crystal display panel is provided to prevent the surface oxidation of aluminum alloy gate electrodes and source/drain electrodes due to the oxidation atmosphere when depositing pixel electrodes, by forming aluminum and silicon mixture layer on the gate electrodes and source/drain electrodes.

DETAILED DESCRIPTION - A method for fabricating a liquid crystal display panel includes the steps of forming a plurality of gate electrodes(101a,101b) on a transparent lower insulating substrate having thin film transistor areas and gate pad areas, forming a first buffer layer(102a) on the gate

electrodes in
the gate pad areas, forming a gate insulating film(103) on the entire
surface
of the substrate, forming a semiconductor layer, n+ semiconductor
layer(105)
and source/drain electrodes(106) on the gate electrodes in the thin
film
transistor areas, forming a second buffer layer(107a) on the
source/drain
electrodes, forming a protecting film(108) on the gate insulating
film
including the second buffer layer, forming a plurality of contact
holes by
selectively etching the gate insulating film and the protecting film
to expose
predetermined portions of the first and second buffer layers, and
forming pixel
electrodes(110) on the protecting film including the contact holes.

CHOSEN-DRAWING: Dwg.1/10

TITLE-TERMS: METHOD FABRICATE LCD PANEL

DERWENT-CLASS: L03 P81 U14

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